

AMENDMENTS TO THE CLAIMS

1. (canceled)

2. (currently amended) The apparatus according to Claim 1, in which the first frequency filter comprises a first and a second filter, with which the first and the second frequency range, respectively, are associated.

3. (currently amended) The apparatus according to Claim 2, in which the first and/or second filter are ~~(26, 27)~~ bandpass filters.

4. (canceled)

5. (currently amended) An apparatus for receiving electromagnetic signals, comprising:
an antenna,
a selection device for definition of predetermined frequency ranges, with the selection device being associated with the antenna,
a frequency converter by means of which the frequency of the received signals can be converted to an intermediate frequency and which is associated with the selection device,
a device which provides a reference frequency and is associated with the frequency converter
an assembly which is associated with the frequency converter, the assembly comprises a first frequency filter, which defines a first and a second frequency range, The apparatus according to Claims 1, 2 or 3, in which the first frequency range is matched to the intermediate frequency and the second frequency range is matched to the difference between the intermediate frequency and the separation between the associated transmission and reception channels and
a receiving device which is associated with the assembly.

6. (currently amended) The apparatus according to Claims 1, 2 or 3, in which the width of the second frequency range is matched such that three channels are covered at the same time.

7. (currently amended) The apparatus according to Claims + 5, 2, or 3, in which the intermediate frequency is essentially equal to the separation between two associated transmission and reception channels.

8. (currently amended) The apparatus according to Claims + 5, 2 or 3, in which the selection device comprises a second frequency filter, which is preferably defined by a third and a fourth filter and which preferably comprises a first switch.

9. (original) The apparatus according to Claim 8, in which the third and the fourth filter are associated with a reception and transmission band, respectively, preferably in accordance with GSM Standard.

10. (currently amended) The apparatus according to Claims + 5, 2 or 3, in which the selection device comprises a bandpass filter and/or a high-pass filter and/or a low-pass filter.

11. (currently amended) The apparatus according to Claims + 5, 2 or 3, in which the device which provides a reference frequency comprises an oscillator and/or a PLL stabilization device.

12. (currently amended) The apparatus according to Claims + 5, 2, or 3, which comprises an amplifier between the selection device and the frequency converter and/or an amplifier between the frequency converter and the assembly.

13. (currently amended) The apparatus according to Claims + 5, 2 or 3, in which the receiving device is associated with the first filter, and which apparatus comprises a field strength meter for the received signals.

14. (currently amended) The apparatus according to Claims + 5, 2 or 3, in which the assembly ~~(44)~~ comprises a second switch ~~(48)~~.

15. (original) The apparatus according to Claim 14, in which a first and a second connection of the second switch are associated with the first and the second filter respectively, and a third connection of the second switch is associated with the receiving device so that the receiving

device is connected to the first filter when the second switch is in a first state, and the receiving device is connected to the second filter when the second switch is in a second state.

16. (currently amended) The apparatus according to Claims 1, 2 or 3, which comprises a field strength meter for the received signals, which is associated with the receiving device.

17. (original) A method for testing the freedom or occupancy of radio connecting channels,

in which a first switch is switched from a first state, in which a receiving apparatus receives electromagnetic signals via a third and a first filter, to a second state, in which a field strength meter receives signals via a fourth and a second filter,

and

after a predetermined time, is switched back from the second state to the first state without the onward switching and/or backward switching, changing a reference frequency for converting the signals to an intermediate frequency in a defined manner.

18. (original) A method for testing the freedom or occupancy of radio connecting channels,

in which a first and a second switch are each switched, essentially at the same time, from a first state, in which a receiving apparatus receives electromagnetic signals via a third and a first filter, to a second state, in which the receiving apparatus receives signals via a fourth and a second filter, and

after a predetermined time, are in each case switched back from the second state to the first state, essentially at the same time, without the onward switching and/or backward switching, changing a reference frequency for converting the signals to an intermediate frequency in a defined manner.

19. (original) The method according to Claim 17 or 18, in which the onward and backward switching of the first and/or second switch takes place essentially during a reception pause.